Monjirul Kabir

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PROFESSIONAL SUMMARY

Data professional with 5+ years of experience in analytics, automation, and data engineering, now transitioning into data science. Skilled in building ETL pipelines, developing dashboards, and analyzing structured data using Python and SQL. Experienced in delivering actionable insights to support business decisions, with growing hands-on exposure to statistical analysis and predictive modeling concepts.

EXPERIENCE

Software Engineer (Data & Scripting), FinSource Ltd. – Dhaka, Bangladesh   Jul 2022 – Present

- Developed ETL pipelines and APIs for secure and accurate data migration between financial systems.
- Automated a manual payroll and employee record system by developing a Node.js-based file-processing application, significantly reducing operational overhead.
- Designed and deployed Apache Airflow DAGs with complex dependencies and custom scheduling, enabling reliable orchestration of business-critical ETL workflows.
- Developed a pipeline to automate cleaning and delivery of web data for use in Salesforce reporting.
- Automated a manual payroll and employee record system, reducing processing time from 45+ minutes to seconds.

Analyst (Business Intelligence), bKash Ltd. – Dhaka, Bangladesh   Apr 2021 – Jul 2022

- Delivered pre- and post-campaign analysis to evaluate performance, optimize outreach, and guide marketing strategy.
- Created Tableau dashboards to visualize key business metrics and trends for senior leadership.
- Extracted, cleaned, and transformed large volumes of data to support product and performance insights.
- Collaborated with cross-functional teams to translate business needs into data queries and reporting logic.

Data Analyst (Data), PSL (SureCash & Tallykhata) – Dhaka, Bangladesh   Jan 2020 – Mar 2021

- Developed a Django-based CMS to streamline internal data access and reporting for banks and business units.
- Conducted shop name analysis using SQL and Python to categorize businesses in the TallyKhata platform.
- Created dashboards in Looker Studio and Tableau to visualize business performance.
- Wrote SQL procedures and Python scripts to automate, streamline, and schedule critical jobs.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, Bash

Databases: PostgreSQL, MS SQL Server, Oracle, MySQL

Data Tools & BI: Tableau, Airflow, Google Data Studio, Excel

ETL & Automation: Apache Airflow, Cron, Shell Scripting, Pandas

Platforms & Integrations: Salesforce, Git, MS Excel, Google Analytics

EDUCATION

American International University-Bangladesh (AIUB)   Session: 2016 – 2020
BSc in Computer Science & Engineering

- **CGPA:** 3.83/4.0
- **Elective Coursework:** Data Warehousing and Data Mining, Artificial Intelligence and Expert System, Human Computer Interaction

ACHIEVEMENTS

- Awarded "Magna Cum Laude" for academic excellence.
- Achieved Dean's list awardee for three consecutive years.
- Champion - AIUB CS Fest 2018 Project Showcasing (Web), Team X-Hued

PROJECTS

PESP (Primary School Stipend Project) - SureCash

One of the largest government projects of Bangladesh with 2 Crore+ beneficiaries, where my contribution was in following areas,

- Data validation and fraud detection
- UEO/MO/DPE officials database management also identifying anomalies and reporting
- Reconciliation of disbursements and internal and external report generation

TallyKhata (TallyKhata Digital Credit) - TallyKhata

With the goal of digitalizing the SME sector and enabling digital credit, the Tallykhata smartphone application was released. My contribution was in following areas,

- DWH modeling and pipeline
- Performed digital credit assessments by analyzing behavioral and transaction data from the TallyKhata app.
- Growth hacking analytics and insights, Campaign analysis and identifying potential growth campaign areas

LTAPI – FinSource Ltd.

LTAPI is an internal and client-facing API program designed to provide scalable API solutions to multiple financial stakeholders while managing critical internal workflows. My contributions included:

- Developed and deployed tailored API solutions for diverse client systems
- Refactored legacy Node.js codebase to improve maintainability and reduce redundancy
- Upgraded and modularized key components to enhance performance and scalability

RESEARCH & PUBLICATION

Enhancing Smartphone Lock Security using Vibration Enabled Randomly Positioned Numbers.   Mar 2020

Published In ICCA 2020: Proceedings of the International Conference on Computing Advancements 10.1145/3377049.3377099

CO-CURRICULAR ACTIVITIES

- Engineering Students Association of Bangladesh (ESAB): (2017 - 2019) Volunteered in many events and workshops including Techfest 2017, National Power and Energy Hackathon 2018.
- AIUB Computer Club: (2018-2019) Member and Volunteered different workshops & events organized by the club.

REFERENCES

References available upon request.